ELSEVIER

Nuclear Instruments and Methods in Physics Research B 144 (1998) 265–268

NIM B
Beam Interactions with Materials & Atoms

Author index

Aizawa, K., see Awazu, K. 144 (1998) 225
Allen Jr, S.J., see Kono, J. 144 (1998) 115
Allen, S.J., Terahertz, photon-assisted transport in semiconductor quantum structures 144 (1998) 130
Arai, S., K. Ikawa, Y. Matsumoto, Y. Iizuka, K. Sugita, S.K. Sarkar and S. Kuribayashi, Infrared multiple photon decomposition of $CHXF_2$ (X = Cl or Br) by infrared lasers 144 (1998) 193
Asano, T., S. Noda, A. Sasaki, T. Suzuki, T. Mitsuyu, K. Nishi, H. Ohyama and T. Tomimasu, Ultrafast interband-light modulation by intersubband light (free-electron laser) in quantum wells 144 (1998) 123
Awazu, K., A. Nagai, T. Tomimasu and K. Aizawa, An innovative method to selectively ablate cholesterol esters from an arteriosclerotic region of the arterial wall using a free-electron laser 144 (1998) 225
Awazu, K., see Fukami, Y. 144 (1998) 229
Awazu, K., see Ogino, S. 144 (1998) 181
Awazu, K., see Ogino, S. 144 (1998) 236

Billardon, M., see Couprie, M.E. 144 (1998) 66
Burke, R.J., C.E. Helsley, S.K. Sharma, C.K.N. Patel and J.M.J. Madey, High performance FEL for the proposed PEARL research platform 144 (1998) 99
Burnham, B., see Wu, Y. 144 (1998) 90

Černe, J., see Kono, J. 144 (1998) 115
Chang, X., see Li, Y. 144 (1998) 140
Chesnokov, E.N., see Petrov, A.K. 144 (1998) 203
Chiwaki, M., see Yamazaki, T. 144 (1998) 83
Copeland, M.L., see Cram Jr, G.P. 144 (1998) 256
Couprie, M.E., D. Nutarelli and M. Billardon, Implementing storage rings free electron lasers for users on synchrotron radiation facilities: from Super-ACO to SOLEIL 144 (1998) 66
Cram Jr, G.P. and M.L. Copeland, Hemostatic properties of the free-electron laser 144 (1998) 256
Crosson, E.R., G.E. James, H.A. Schwettman, T.I. Smith and R.L. Swent, Multi-user operation at an FEL facility 144 (1998) 25

Dokholyan, N.V., see Hong, M.K. 144 (1998) 246

Edwards, G., D. Engh, J. Kozub and R. Williams, Infrared dynamics of collagen, mictotubles, and water: Biophysical research enabling biomedical FEL appplications 144 (1998) 260
Emura, K., T. Shinzato and H. Takada, Electron linac for both storage ring injection and free electron laser oscillation 144 (1998) 50
Engh, D., see Edwards, G. 144 (1998) 260
Erramilli, S., see Hong, M.K. 144 (1998) 246

Fan, Y., see Li, Y. 144 (1998) 140
Fayer, M.D., see Rector, K.D. 144 (1998) 218
Feng, J.M., see Nakano, H. 144 (1998) 160
Fujimori, N., see Ogino, S. 144 (1998) 181
Fukami, Y., Y. Maeda and K. Awazu, Raman and FT-IR studies of photodynamic processes of cholesteryl oleate using IRFELs 144 (1998) 229

Glotin, F., J.M. Ortega, R. Prazeres and C. Rippon, Activities of the CLIO infrared facility 144 (1998) 8
Gorelik, S.R., see Petrov, A.K. 144 (1998) 203

0168-583X/98/$ – see front matter © 1998 Elsevier Science B.V. All rights reserved

Hama, H., M. Hosaka, J. Yamazaki and T. Kinoshita, Single-bunch beam property for FEL on the UVSOR storage ring ... 144 (1998) 75
Hamaguchi, C., see Nakano, H. ... 144 (1998) 160
Hanabusa, M., see Okoshi, M. ... 144 (1998) 147
Hayashi, Y., see Maeda, Y. ... 144 (1998) 152
Helsley, C.E., see Burke, R.J. ... 144 (1998) 99
Hirakawa, K., see Shimada, Y. ... 144 (1998) 166
Holleman, I., see von Helden, G. ... 144 (1998) 211
Hong, M.K., A.G. Jeung, N.V. Dokholyan, T.I. Smith, H.A. Schwettman, P. Huie and S. Erramilli, Imaging single living cells with a scanning near-field infrared microscope based on a free electron laser ... 144 (1998) 246
Hosaka, M., see Hama, H. ... 144 (1998) 75
Huie, P., see Hong, M.K. ... 144 (1998) 246

Iizuka, Y., see Arai, S. ... 144 (1998) 193
Ikawa, K., see Arai, S. ... 144 (1998) 193
Inoshita, T., see Kono, J. ... 144 (1998) 115

James, G.E., see Crosson, E.R. ... 144 (1998) 25
Jefferson Lab FEL Team, see Neil, G.R. ... 144 (1998) 40
Jeung, A.G., see Hong, M.K. ... 144 (1998) 246

Kanazawa, Y., see Tomimasu, T. ... 144 (1998) 1
Kanazawa, Y., see Yasumoto, M. ... 144 (1998) 176
Kelley, M.J., The FEL's role in next-generation process technology ... 144 (1998) 186
Kinoshita, T., see Hama, H. ... 144 (1998) 75
Knippels, G.M.H. and A.F.G. van der Meer, FEL diagnostics and user control ... 144 (1998) 32
Knippels, G.M.H., see Palanker, D.V. ... 144 (1998) 240
Kono, J., M.Y. Su, J. Černe, M.S. Sherwin, S.J. Allen Jr., T. Inoshita, T. Noda and H. Sakaki, Resonant generation of terahertz optical sidebands from confined magnetoexcitons ... 144 (1998) 115
Kozub, J., see Edwards, G. ... 144 (1998) 260
Kubo, H., see Nakano, H. ... 144 (1998) 160
Kuribayashi, S., see Arai, S. ... 144 (1998) 193

Li, F., see Li, Y. ... 144 (1998) 140
Li, Y., J. Xie, J. Zhuang, X. Chang, M. Wang, Y. Zhong, G. Wu, Y. Wang, J. Xu, Z. Wang, Y. Fan, F. Li and J. Wang, Applications of the Beijing IR-free electron laser facility ... 144 (1998) 140
Litvinenko, V.N., see Wu, Y. ... 144 (1998) 90

Madey, J.M.J., see Burke, R.J. ... 144 (1998) 99
Madey, J.M.J., see Petrov, A.K. ... 144 (1998) 203
Maeda, Y., K. Umezawa and Y. Hayashi, Silicon nanostructure fabrication using IR-FELs and its optical properties ... 144 (1998) 152
Maeda, Y., see Fukami, Y. ... 144 (1998) 229
Maeda, Y., see Ogino, S. ... 144 (1998) 181
Matsumoto, Y., see Arai, S. ... 144 (1998) 193
Meijer, G., see von Helden, G. ... 144 (1998) 211
Mikado, T., see Yamazaki, T. ... 144 (1998) 83
Mitsuyu, T., T. Suzuki and T. Tomimasu, Luminescence from ZnSe excited by picosecond mid-infrared FEL pulses 144 (1998) 172
Mitsuyu, T., see Asano, T. ... 144 (1998) 123
Mitsuyu, T., see Ohyama, H. ... 144 (1998) 135
Molin, Yu.N., see Petrov, A.K. ... 144 (1998) 203
Mori, N., see Nakano, H. ... 144 (1998) 160
Morota, N., see Nishi, K. ... 144 (1998) 107
Murase, Y., see Nishi, K. ... 144 (1998) 107

Nagai, A., see Awazu, K. ... 144 (1998) 225

Nagai, A., see Tomimasu, T. 144 (1998) 1
Nakano, H., J.M. Feng, H. Kubo, N. Mori and C. Hamaguchi, Luminescence of GaAs/AlGaAs asymmetric double-quantum-wells excited by a mid-IR free electron laser 144 (1998) 160
Nakashima, H., see Nishi, K. 144 (1998) 107
Neil, G.R. and Jefferson Lab FEL Team, Industrial applications of the Jefferson Lab high-power free-electron laser 144 (1998) 40
Nishi, K., N. Morota, Y. Murase and H. Nakashima, Interfaces of semiconductor heterojunctions studied using an FEL 144 (1998) 107
Nishi, K., see Asano, T. 144 (1998) 123
Noda, S., see Asano, T. 144 (1998) 123
Noda, T., see Kono, J. 144 (1998) 115
Noguchi, T., see Yamazaki, T. 144 (1998) 83
Nutarelli, D., see Couprie, M.E. 144 (1998) 66

Ogino, S., H. Shiomi, N. Fujimori, K. Awazu and Y. Maeda, Free electron laser (FEL) annealing of diamond . . 144 (1998) 181
Ogino, S. and K. Awazu, The surface modification of tooth dentine with a Free Electron Laser (FEL) 144 (1998) 236
Ohdaira, T., see Yamazaki, T. 144 (1998) 83
Ohgaki, H., see Yamazaki, T. 144 (1998) 83
Ohyama, H., T. Mitsuyu and T. Tomimasu, Semiconductors processing with FEL – FEL annealing 144 (1998) 135
Ohyama, H., see Asano, T. 144 (1998) 123
Okoshi, M., M. Hanabusa and S. Okuma, Deposition of carbon thin films by free electron laser 144 (1998) 147
Okuma, S., see Okoshi, M. 144 (1998) 147
Okuyama, H. and H. Takada, Micromachining with SR and FEL 144 (1998) 58
Ortega, J.M., see Glotin, F. 144 (1998) 8

Palanker, D.V., G.M.H. Knippels, T.I. Smith and H.A. Schwettman, Fast IR imaging with sub-wavelength resolution using a transient near-field probe 144 (1998) 240
Park, S.H., see Wu, Y. 144 (1998) 90
Patel, C.K.N., see Burke, R.J. 144 (1998) 99
Petrov, A.K., E.N. Chesnokov, S.R. Gorelik, Yu.N. Molin, K.D. Straub, E.B. Szarmes and J.M.J. Madey, Multiphoton infrared isotope separation using the MkIII FEL system 144 (1998) 203
Pinayev, I.V., see Wu, Y. 144 (1998) 90
Prazeres, R., see Glotin, F. 144 (1998) 8
Putter, M., see von Helden, G. 144 (1998) 211

Rector, K.D. and M.D. Fayer, Myoglobin's ultrafast dynamics measured with vibrational echo experiments 144 (1998) 218
Rippon, C., see Glotin, F. 144 (1998) 8

Sakaki, H., see Kono, J. 144 (1998) 115
Sarkar, S.K., see Arai, S. 144 (1998) 193
Sasaki, A., see Asano, T. 144 (1998) 123
Schwettman, H.A., see Crosson, E.R. 144 (1998) 25
Schwettman, H.A., see Hong, M.K. 144 (1998) 246
Schwettman, H.A., see Palanker, D.V. 144 (1998) 240
Schwettman, H.A., see Smith, T.I. 144 (1998) 18
Sei, N., see Yamazaki, T. 144 (1998) 83
Sharma, S.K., see Burke, R.J. 144 (1998) 99
Sherwin, M.S., see Kono, J. 144 (1998) 115
Shimada, Y. and K. Hirakawa, Photocurrent dynamics in single quantum well infrared photodetectors investigated by using free electron laser pulses 144 (1998) 166
Shinzato, T., see Emura, K. 144 (1998) 50
Shiomi, H., see Ogino, S. 144 (1998) 181
Smith, T.I. and H.A. Schwettman, Issues at a university based FEL center 144 (1998) 18
Smith, T.I., see Crosson, E.R. 144 (1998) 25
Smith, T.I., see Hong, M.K. 144 (1998) 246
Smith, T.I., see Palanker, D.V. 144 (1998) 240
Straub, K.D., see Petrov, A.K. 144 (1998) 203

Su, M.Y., see Kono, J. 144 (1998) 115
Sugita, K., see Arai, S. 144 (1998) 193
Sugiyama, S., see Yamazaki, T. 144 (1998) 83
Suzuki, R., see Yamazaki, T. 144 (1998) 83
Suzuki, T., see Asano, T. 144 (1998) 123
Suzuki, T., see Mitsuyu, T. 144 (1998) 172
Swent, R.L., see Crosson, E.R. 144 (1998) 25
Szarmes, E.B., see Petrov, A.K. 144 (1998) 203

Takada, H., see Emura, K. 144 (1998) 50
Takada, H., see Okuyama, H. 144 (1998) 58
Takii, T., see Tomimasu, T. 144 (1998) 1
Takii, T., see Yasumoto, M. 144 (1998) 176
Tomimasu, T., T. Takii, Y. Kanazawa, A. Zako, A. Nagai and M. Yasumoto, FEL beam qualities and application researches at the FELI 144 (1998) 1
Tomimasu, T., see Asano, T. 144 (1998) 123
Tomimasu, T., see Awazu, K. 144 (1998) 225
Tomimasu, T., see Mitsuyu, T. 144 (1998) 172
Tomimasu, T., see Ohyama, H. 144 (1998) 135
Tomimasu, T., see Yasumoto, M. 144 (1998) 176
Toyokawa, H., see Yamazaki, T. 144 (1998) 83

Umesaki, N., see Yasumoto, M. 144 (1998) 176
Umezawa, K., see Maeda, Y. 144 (1998) 152

van der Meer, A.F.G., see Knippels, G.M.H. 144 (1998) 32
von Helden, G., I. Holleman, M. Putter and G. Meijer, IR spectroscopy on gas-phase molecules with a free electron laser 144 (1998) 211

Wang, J., see Li, Y. 144 (1998) 140
Wang, M., see Li, Y. 144 (1998) 140
Wang, Y., see Li, Y. 144 (1998) 140
Wang, Z., see Li, Y. 144 (1998) 140
Williams R., see Edwards, G. 144 (1998) 260
Wu, G., see Li, Y. 144 (1998) 140
Wu, Y., V.N. Litvinenko, I.V. Pinayev, S.H. Park and B. Burnham, Duke FEL storage ring light sources and applications 144 (1998) 90

Xie, J., see Li, Y. 144 (1998) 140
Xu, J., see Li, Y. 144 (1998) 140

Yamada, K., see Yamazaki, T. 144 (1998) 83
Yamazaki, J., see Hama, H. 144 (1998) 75
Yamazaki, T., K. Yamada, N. Sei, H. Ohgaki, S. Sugiyama, R. Suzuki, T. Mikado, T. Noguchi, M. Chiwaki, T. Ohdaira and H. Toyokawa, SRFEL, FEL-X project, and applications at the ETL 144 (1998) 83
Yasumoto, M., N. Umesaki, T. Tomimasu, T. Takii, Y. Kanazawa and A. Zako, Luminescence induced by IRFEL ablation of solid samples 144 (1998) 176
Yasumoto, M., see Tomimasu, T. 144 (1998) 1

Zako, A., see Tomimasu, T. 144 (1998) 1
Zako, A., see Yasumoto, M. 144 (1998) 176
Zhong, Y., see Li, Y. 144 (1998) 140
Zhuang, J., see Li, Y. 144 (1998) 140